

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF AREA LIGHTING WORK AT RAMA DEVI WOMEN'S UNIVERSITY, BHUBANESWAR.

BID REF NO :- 14/PM/ELECT/OPHWC/2022-23

**NAME &
ADDRESS
OF THE
FIRM**

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	Supply & erection of 7.0 Mtr galvanized Octagonal pole ,continously tapered,single piece,3mm thick,The face to face dimension is 130mm at bottom and 70mm at top dia.base plate.size is 200 x 200 x12 mm thick The pole should be manufactured from special steel plate suitable for lighting Arrangement System ,Galvanized Founation bolt specification of bolt length 600mm circle dia 200mm bolt size 20mm,Template size is 200mm CD,thickness 3mm with 10/4 Bakelite Cover,63 Amp 4 way Stud Connector-01No,10 Amp SPMCB-01 No,MCB Channel-01 No,Mudguard Nut,Bolt & washer-06 Nos,Aluminium Socket-08	No	32	19,369.00	₹ 6,19,808.00
2	Supply and fixing of 1mtr. Long Galvanized deocartive single arm welded with top canopy at an angle of 120 degree with the pole.The outer dia of arms are 46mm,4 nutbolts suitable for 70mm Top.	No	32	2,224.00	₹ 71,168.00

3	Supply & fixing of 70/72 Wt. LED Street light fitting comprises of Pressure die cast Aluminium housing powder coated in silver grey and toughened glass, Surge Arrester 1 No & 100lum/wt, Protection IP66 having LM 79 LM 80 tested including bulb,choke,cover,G.I bracket,clamp & nut bolt connecting wire with all accessories and as per instruction of Electrical Engineer-in-charge . (Make- HAVELLS/ WIPRO/ PHILIPS/ CROMPTON/ PANASONIC)	No	32	5,209.50	₹ 1,66,704.00
4	Supply, Installation, Testing & Commissioning of 20Watt Standalone LED Solar Street light fittings including 30 Ah LiFeP04 Battery which will be kept inside the luminair house (Theft retardant type), PIR Sensor(Auto/Bypass as per site requirement), MPPT charge controller. The initial lumen out put is 3000 lumen or more (lumen efficiency of 150lm/w),IP 65 protection, 2 days back up ,80 WP highly efficient Mono Crystalline PV panel with 5 years comprehensive Warantee on entire System/Installation with luminaries and 25 years Warantee on PV panel. The works to be executed as per the instruction of Electrical Engineer-in-Charge. (Make-HAVELLS/ WIPRO / PHILIPS/ CROMPTON/ PANASONIC)	Nos	20	35,700.00	₹ 7,14,000.00
5	Foundation, Installation & Errection of Pole with street light.	Nos	20	2,000.00	₹ 40,000.00
6	Supply of 6 mtr. Long(5mtr. above the ground & 1mtr. below the ground), 76 mm outer dia, 3 mm thick MS Tubular Galvanised Pole with 500 mm lighting arm and all Accessories.	Nos	20	6,000.00	₹ 1,20,000.00
7	Supply of 2.5 sq.mm / 3 core copper flexible wire for wiring of above pole from panel box to light fitting .	Mtr.	320	89.66	₹ 28,691.20
8	Supply and laying of 16 sq.mm 4 core PVC Al. Arm Cableof 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning , protective covering and refilling the trench etc. as required.(MAKE CABLE - FINOLEX/ HAVELLS/	Mtr.	1100	295.34	₹ 3,24,874.00

9	Supply and laying of 16 sq.mm 4 core PVC Al. Arm end termination.	Nos	64	189.57	₹	12,132.48
10	Supply of Junction box material with 10 Amp SPMCB & 63 Amp Connector with Bakelite Sheet (Ground Floor)	Nos	32	650	₹	20,800.00
11	Supply & Installation of outdoor type Double door Panel board made out from 20 guage thick CR Sheet duly painted with concrete base equipped with 1 no Digital timer switcw, 1 No 63A TPN MCB, 3 No 32A DPMCB, 63 A 415 V CUTOUT-3 NOS WITH 4 nos COPPER BUS BAR, 3 nos INDICATOR, Ammeter, Voltmeter & CTs ets including all accessories and connections As per instruction of electrical engineer -in-charge [Make-(a)MCB /MCCB - Legrand/ Schnider/L&T/ ABB, (b)Volt meter, Ammeter-AE/CAPPA, (d) all other accessories ISI mark]	No	1	23000.00	₹	23,000.00
12	Supply and fixing of earthing including 38 mm. dia. 3 mtr. long G.I pipe[Heavy Duty].The pipe shall have 12 mm. dia. perforated holes at 15 cm centre to centre up to 2.5 mtrs height from the bottom and fitted with a 38 mm. dia. G.I flange at the top with provision of holes for making connection of earth continuity wire,complete with masonry work for earth pit chamber.The earth pit shall have an alternative layer of 105 mm. charcoal and 50 mm. salt up to a depth of 465 mm. and rest shall be filled with charcoal to a further depth of 2035 mm. The earth pit should maintain a minium clearance 1.5 mtr. from building & 2 mtr. in between	No	2	2437.86	₹	4,875.72
13	Supply and fixing of sub earthing with No-8 bare copper wire as earth Continuity wire from Main pannel board to earth electrode inside the wall/ground to a depth of 50 mm. and make good of the wall/ground including all connections.	Rft	60	26.89	₹	1,613.40
						2147666.80
						21476.67
						2169143.47
						21,69,143.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)					_____ %

Quoted Amount in Figure	
Quoted Amount in words	

N:B- The Estimated cost is exclusive of GST .

Signature of Tenderer with seal

**Sd/-
Asst. Project Manager[Elect.]**

**Sd/-
APM (Elect.) Hqr.**

**Sd/-
Project Manager(Elect.)**